

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118006.D
 Acq On : 26 Nov 2019 14:49
 Operator : JU
 Sample : K5999-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 15:23:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	130518	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	547318	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	206724	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	328174	20.00	ng	0.00
76) Chrysene-d12	14.09	240	296551	20.00	ng	0.00
87) Perylene-d12	15.60	264	251603	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	707306	95.93	ng	0.01
7) Phenol-d6	6.52	99	789372	88.76	ng	0.00
23) Nitrobenzene-d5	7.46	82	538500	58.49	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	172770	78.94	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	809658	70.27	ng	0.00
79) Terphenyl-d14	13.03	244	818246	50.43	ng	0.00

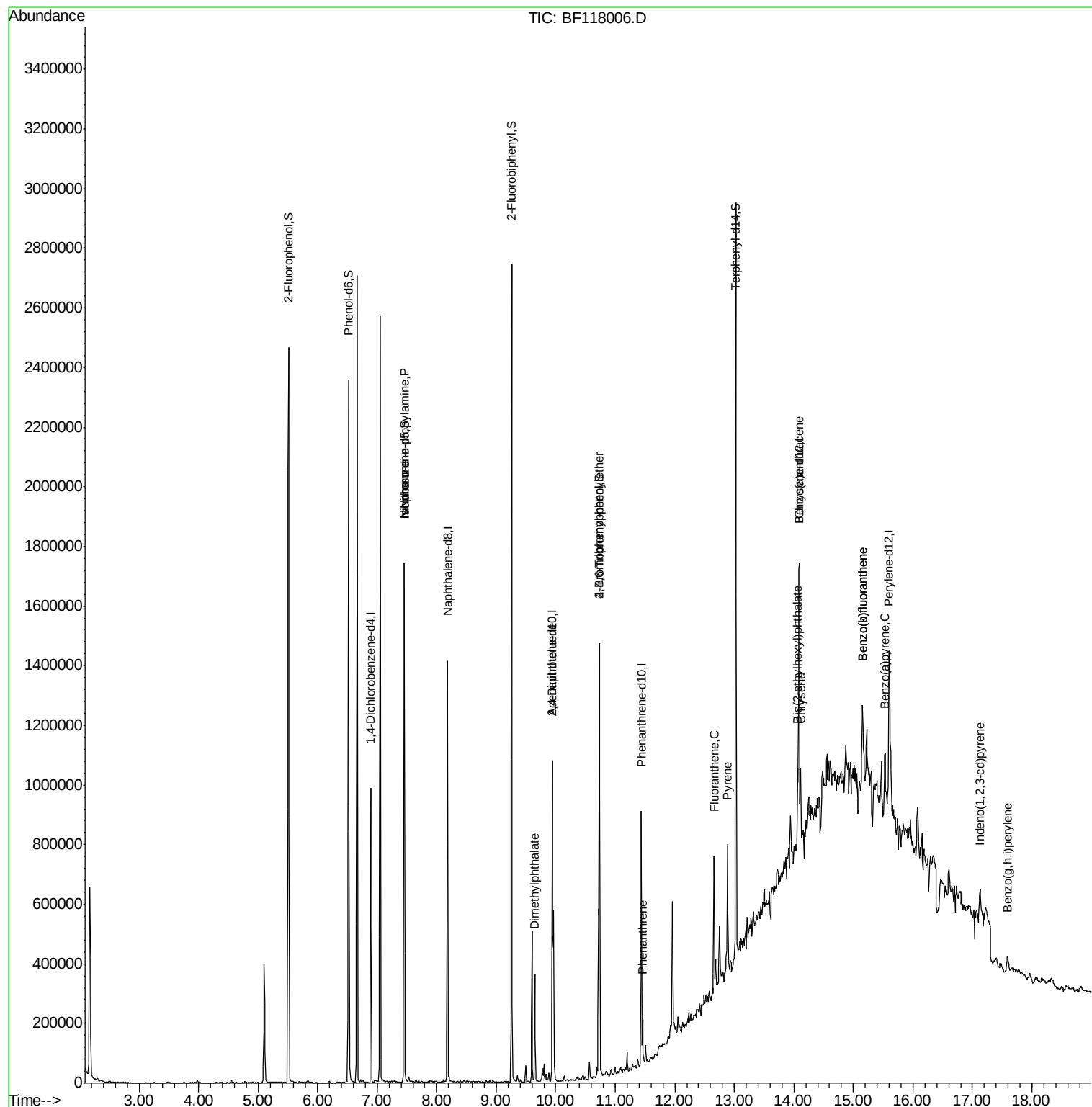
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1486	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.46	70	72633	13.238	ng	# 74
25) Isophorone	7.46	82	536755	31.808	ng	# 62
50) Dimethylphthalate	9.65	163	128595	8.871	ng	# 98
57) 2,4-Dinitrotoluene	9.95	165	26648	6.612	ng	# 25
67) 4-Bromophenyl-phenylether	10.73	248	10907	3.080	ng	# 1
71) Phenanthrene	11.46	178	54337	3.293	ng	# 98
75) Fluoranthene	12.66	202	172596	4.758	ng	# 98
78) Pyrene	12.89	202	161989	6.759	ng	# 99
81) Benzo(a)anthracene	14.08	228	110283	5.628	ng	# 94
83) Chrysene	14.12	228	91875	4.838	ng	# 96
84) Bis(2-ethylhexyl)phthalate	14.06	149	81704	6.547	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.13	276	55410	3.429	ng	# 96
88) Benzo(b)fluoranthene	15.15	252	185760	11.364	ng	# 92
89) Benzo(k)fluoranthene	15.15	252	185760	12.060	ng	# 90
90) Benzo(a)pyrene	15.53	252	86550	6.021	ng	# 91
92) Benzo(a,h,i)perylene	17.59	276	40364	3.275	ng	# 95

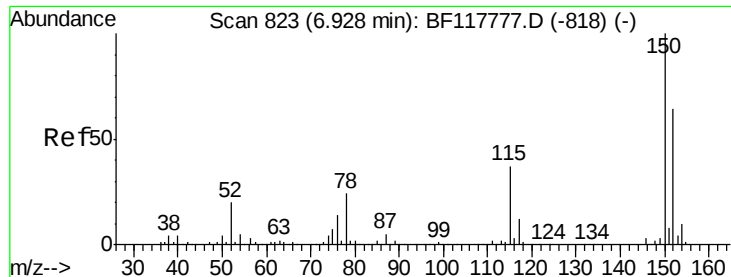
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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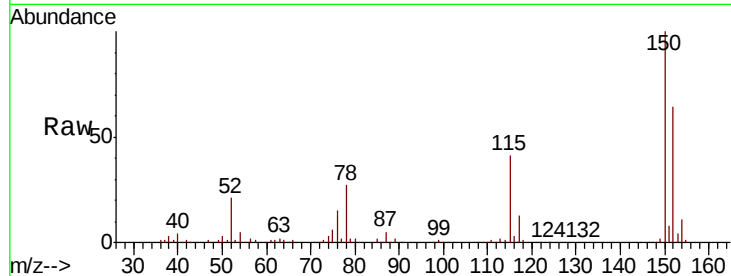


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.3	187.9
115	63.5	47.0	70.4

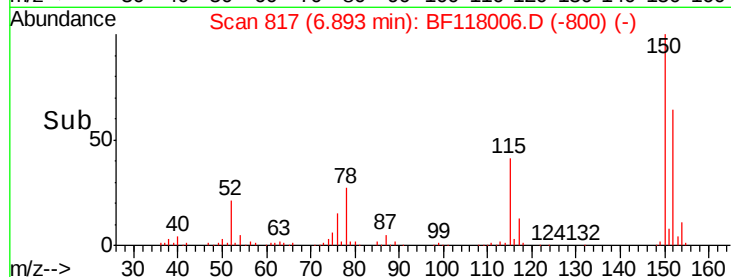
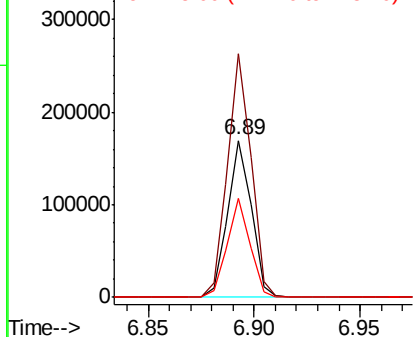


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

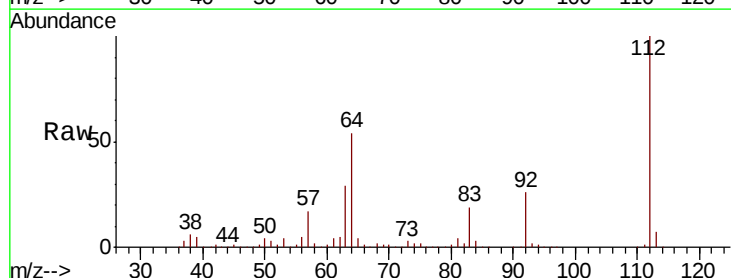
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.926 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	45.6	68.4
63	28.8	24.1	36.1

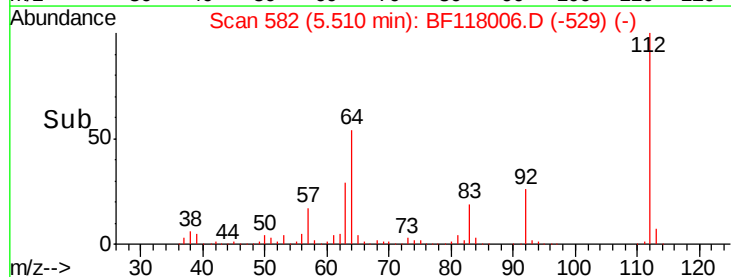
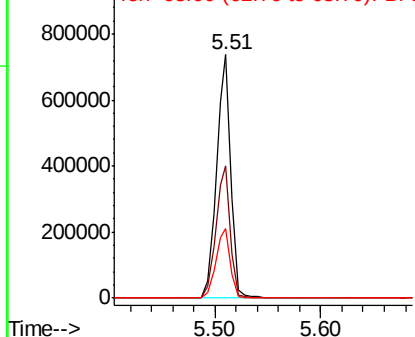


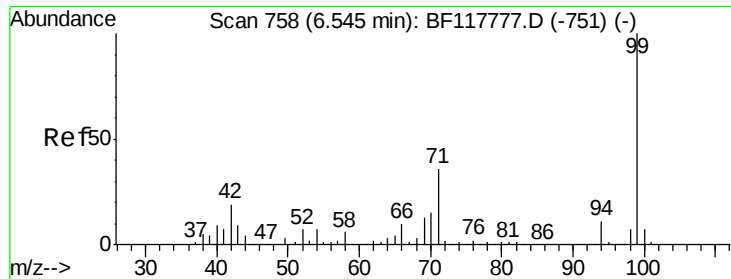
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.758 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

Instrument :

BNA_F

ClientSampleId :

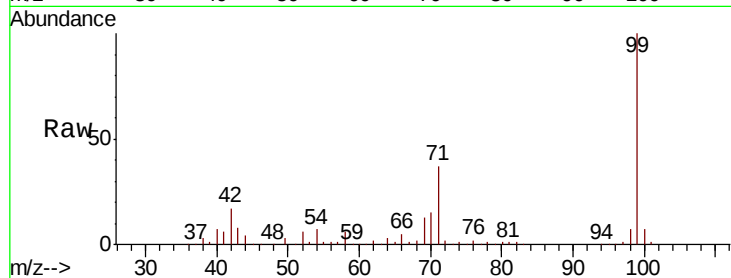
Tot Ion: 99 Resp: 789372

Ion Ratio Lower Upper

99 100

42 17.5 14.9 22.3

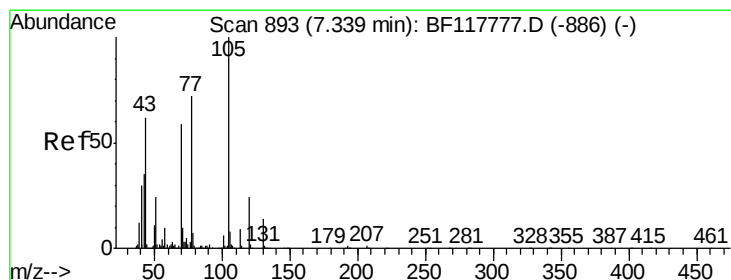
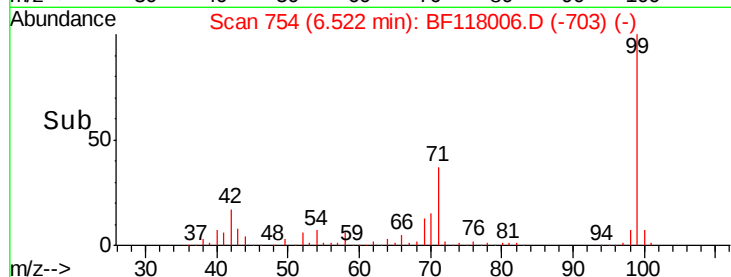
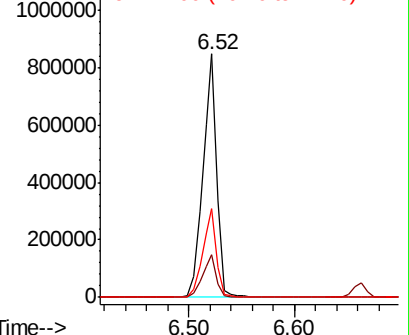
71 36.6 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.238 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

Tgt Ion: 70 Resp: 72633

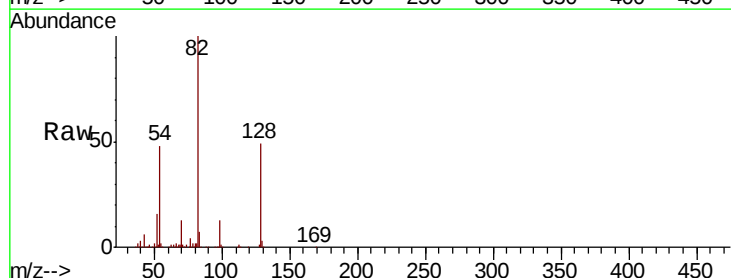
Ion Ratio Lower Upper

70 100

42 44.6 47.4 71.2#

101 0.0 8.4 12.6#

130 2.5 18.8 28.2#

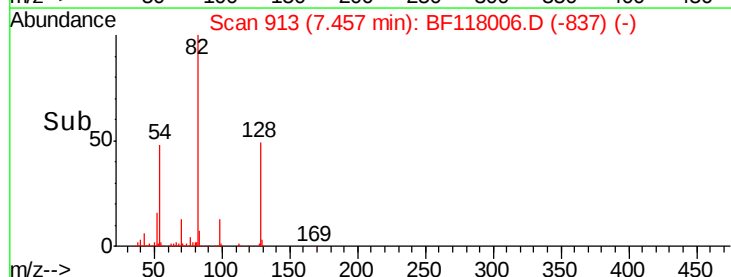
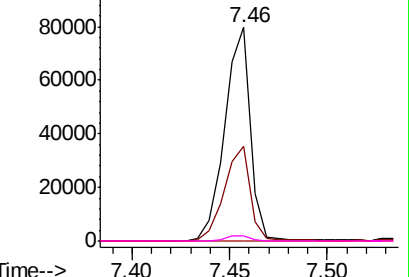


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

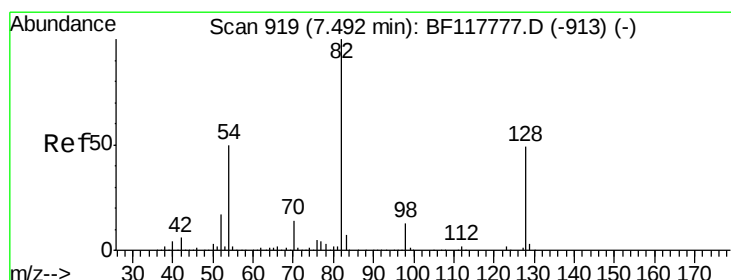
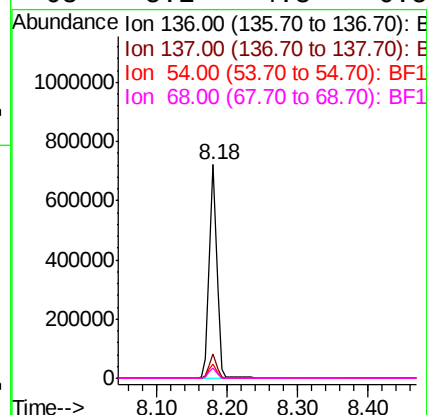
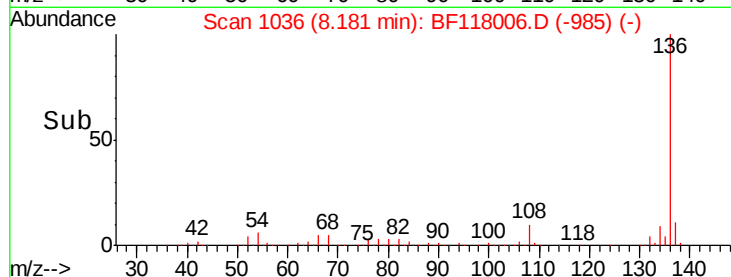
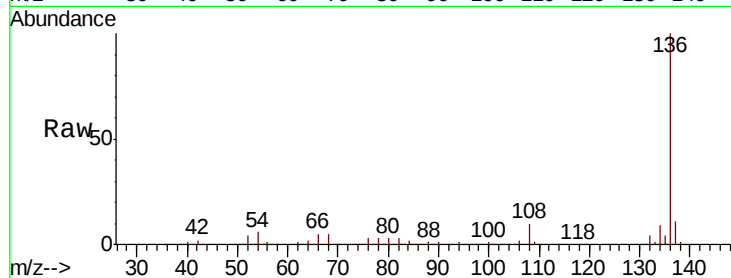




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

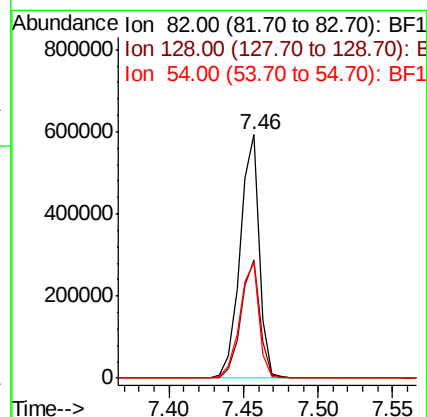
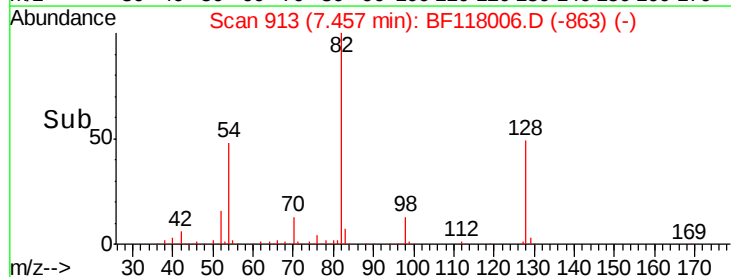
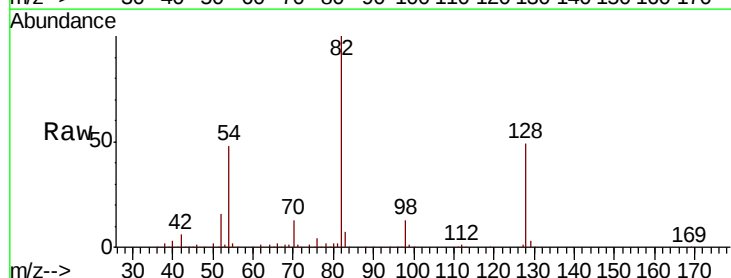
Instrument :
BNA_F
ClientSampleId :

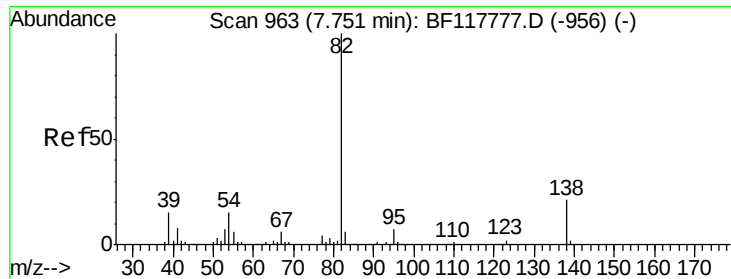
Tot Ion:136	Resp:	547318
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.0 13.4
54	6.4	5.4 8.2
68	5.1	4.3 6.5



#23
Nitrobenzene-d5
Concen: 58.488 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion: 82	Resp:	538500
Ion Ratio	Lower	Upper
82	100	
128	48.8	38.9 58.3
54	47.6	39.8 59.6





#25

Isophorone

Concen: 31.808 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

Instrument :

BNA_F

ClientSampleId :

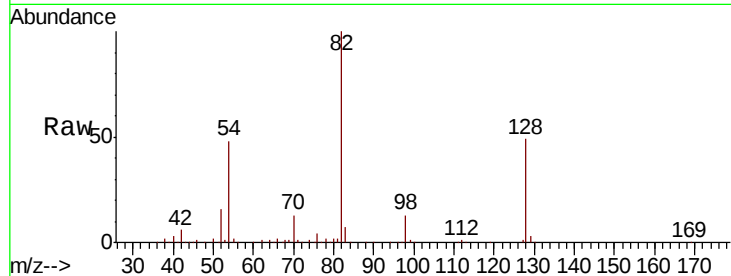
Tot Ion: 82 Resp: 536755

Ion Ratio Lower Upper

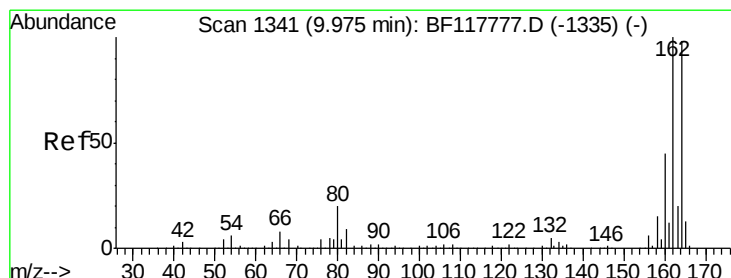
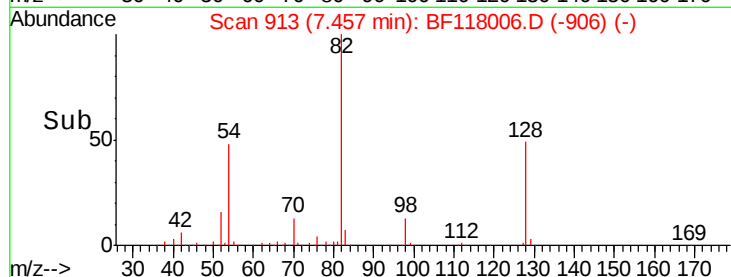
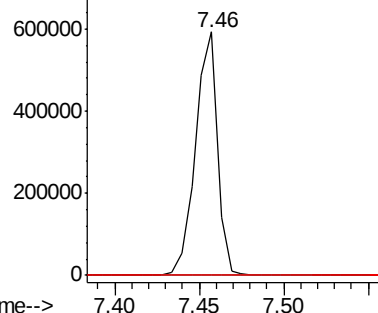
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

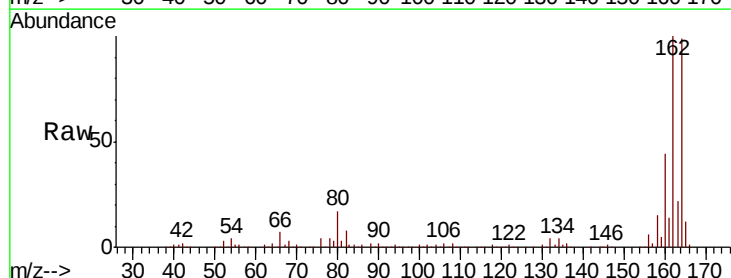
Tgt Ion:164 Resp: 206724

Ion Ratio Lower Upper

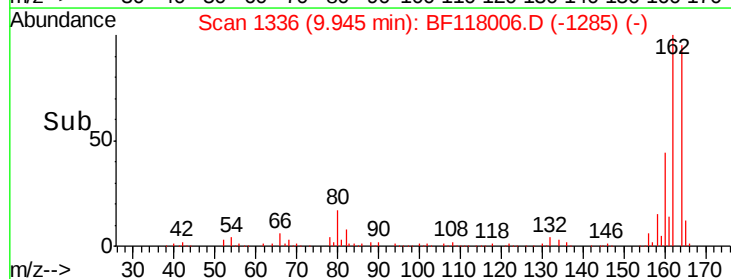
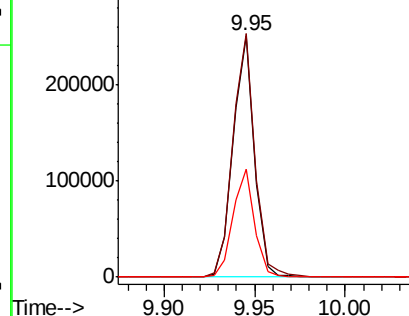
164 100

162 101.0 81.3 121.9

160 44.5 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 78.942 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

Instrument :

BNA_F

ClientSampled :

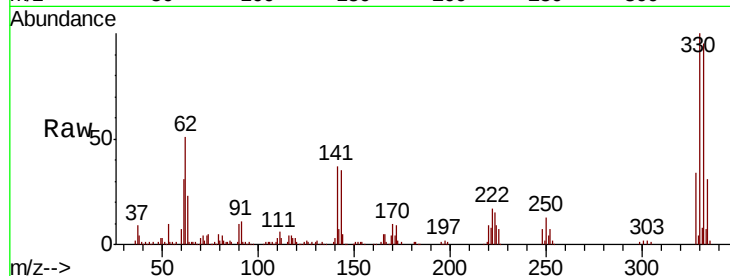
Tot Ion:330 Resp: 172770

Ion Ratio Lower Upper

330 100

332 97.2 76.7 115.1

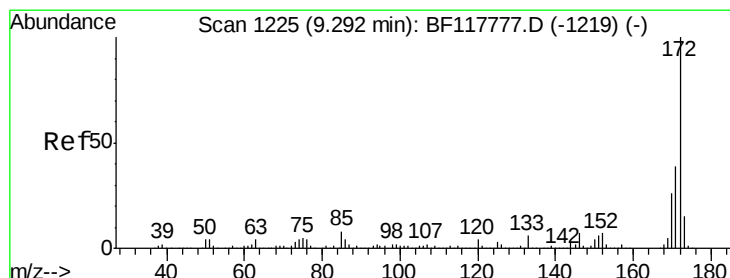
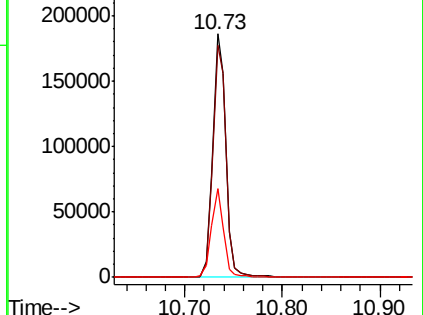
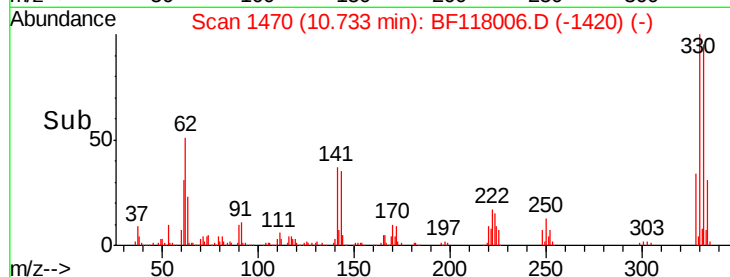
141 34.7 27.7 41.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 70.265 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

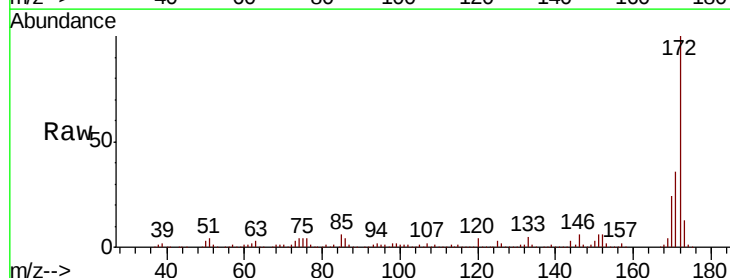
Tgt Ion:172 Resp: 809658

Ion Ratio Lower Upper

172 100

171 35.7 30.9 46.3

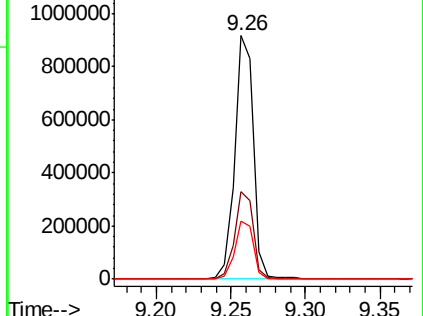
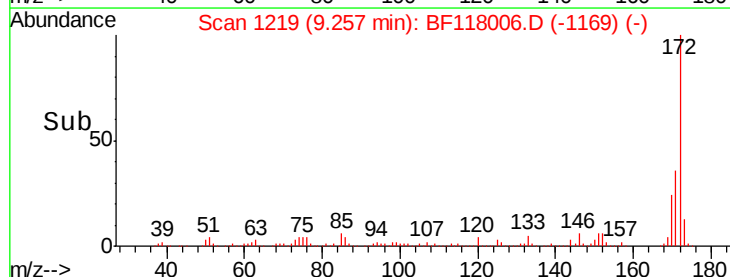
170 23.8 21.0 31.4

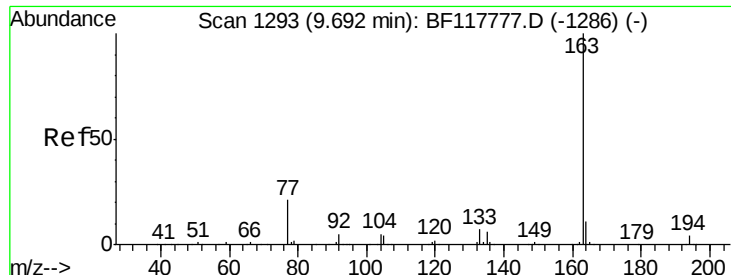


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

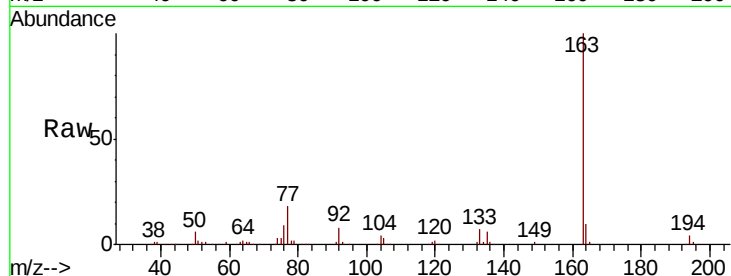




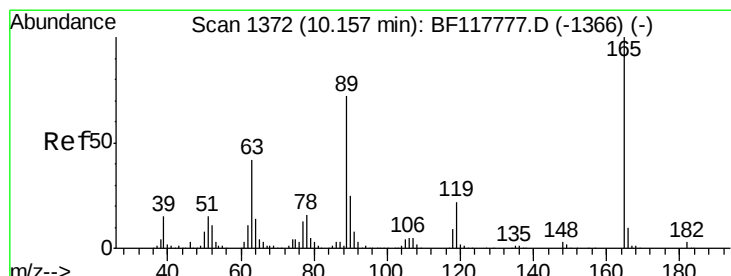
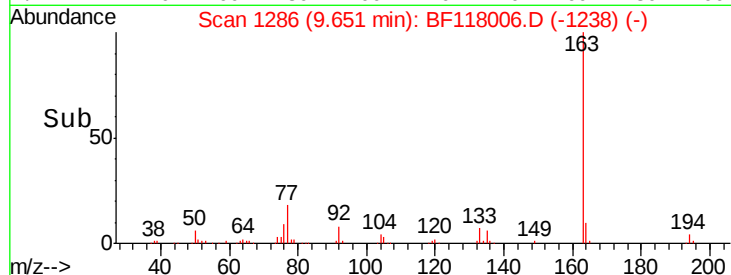
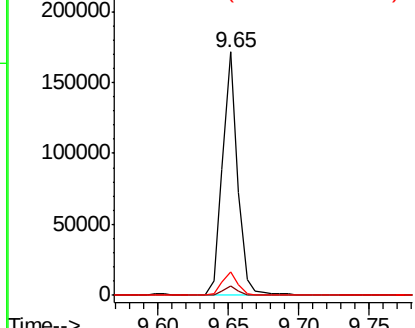
#50
Dimethylphthalate
Concen: 8.871 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.7	8.7	13.1



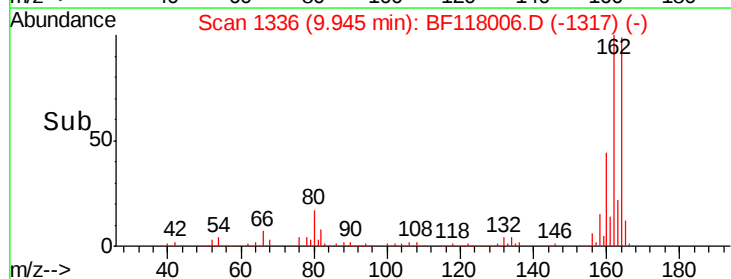
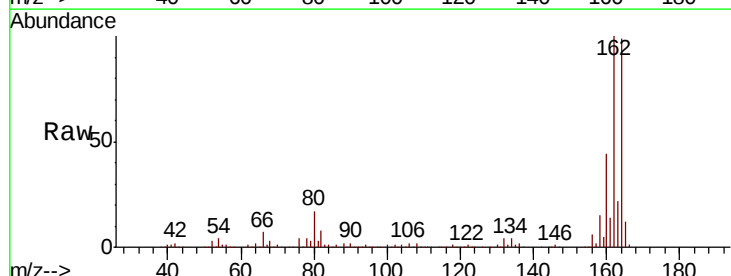
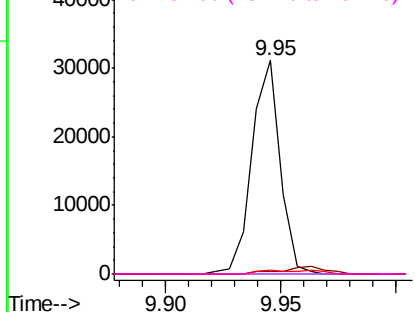
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

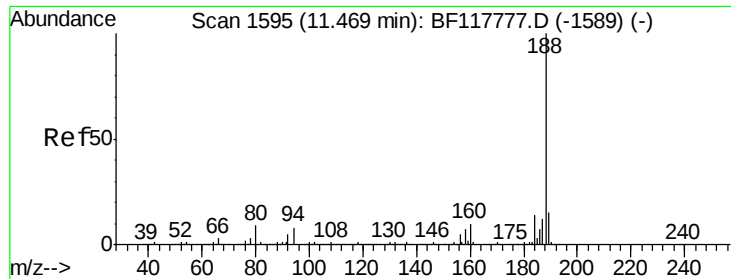


#57
2,4-Dinitrotoluene
Concen: 6.612 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.19 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.7	50.5#
89	1.6	57.3	85.9#
182	0.0	2.3	3.5#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

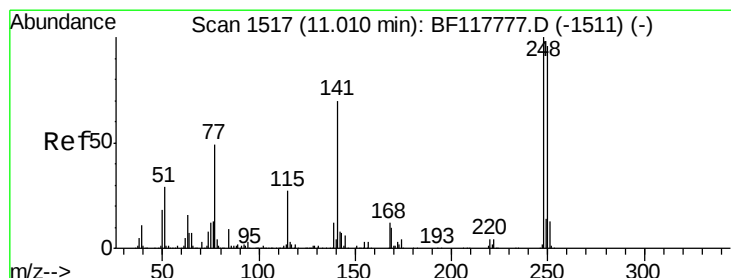
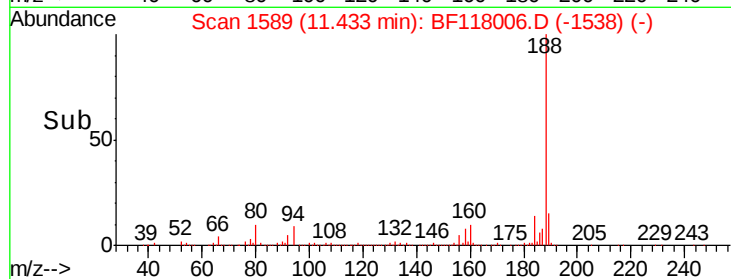
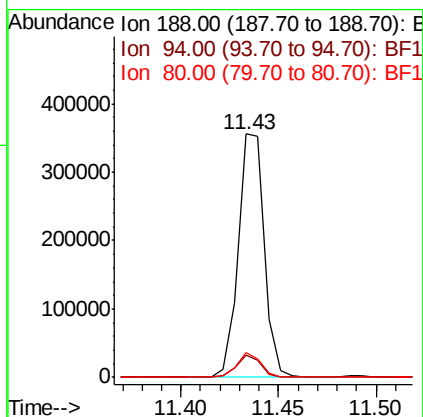
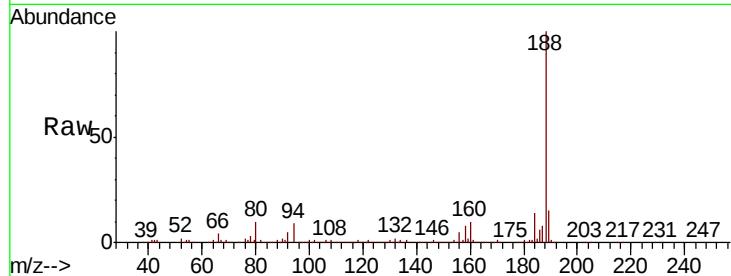




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF118006.D
 Acq: 26 Nov 2019 14:49

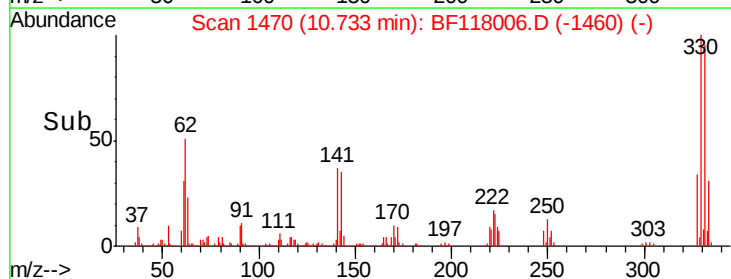
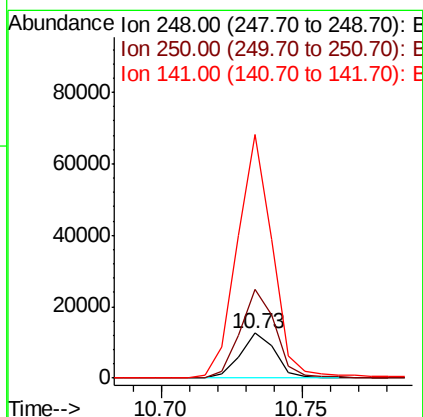
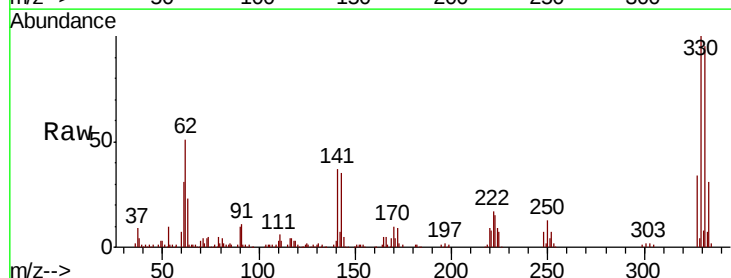
Instrument :
 BNA_F
 ClientSampleId :

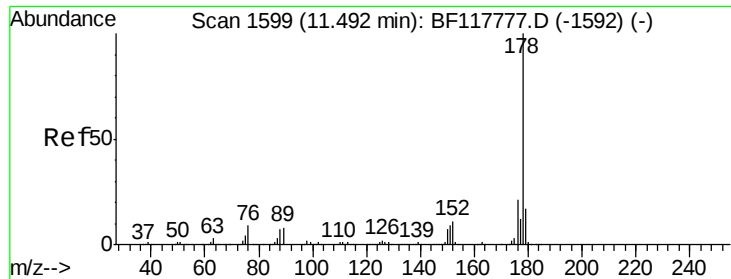
Tot Ion:188 Resp: 328174
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.6 10.0
 80 10.2 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.080 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.24 min
 Lab File: BF118006.D
 Acq: 26 Nov 2019 14:49

Tgt Ion:248 Resp: 10907
 Ion Ratio Lower Upper
 248 100
 250 195.6 76.6 115.0#
 141 540.3 55.9 83.9#

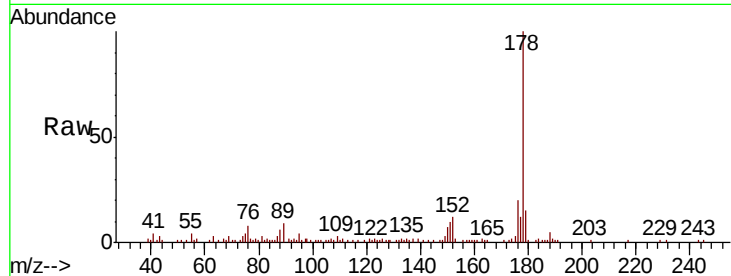




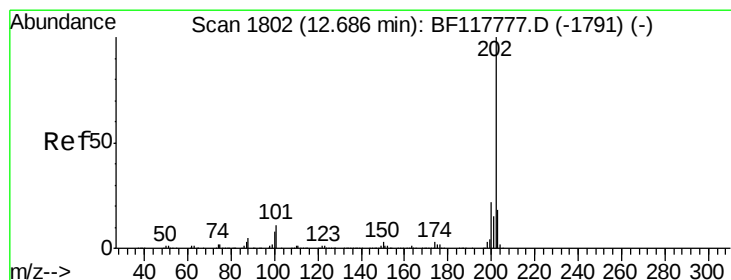
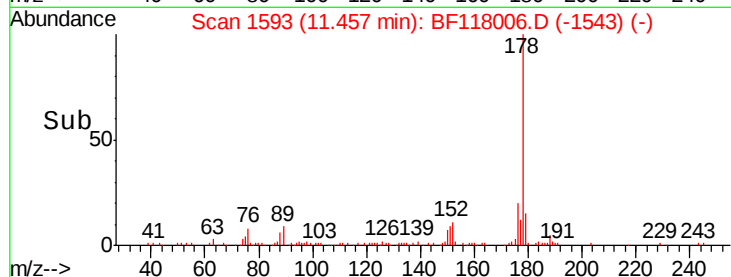
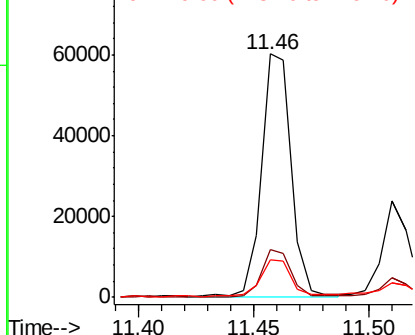
#71
Phenanthrene
Concen: 3.293 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 54337
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 15.5 13.2 19.8

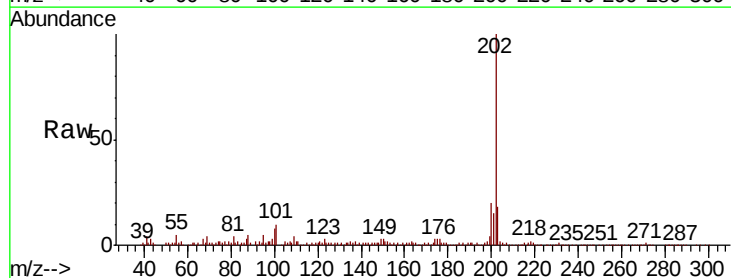


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

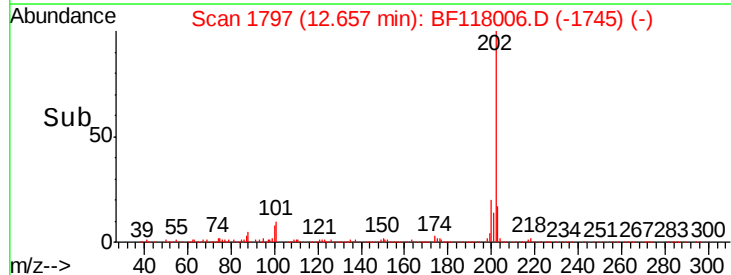
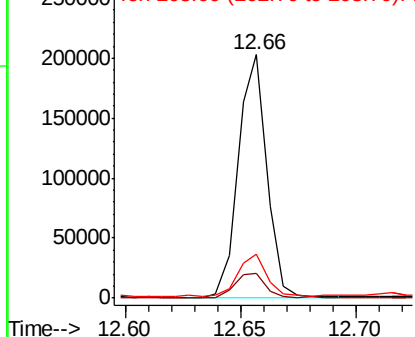


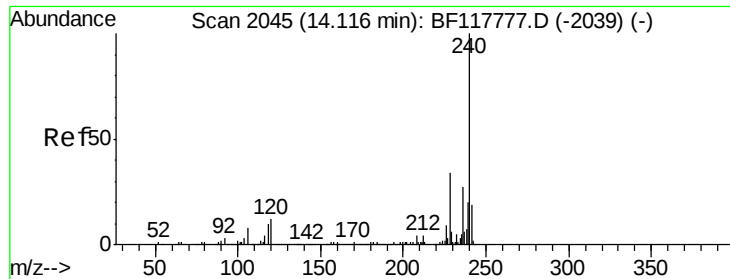
#75
Fluoranthene
Concen: 4.758 ng
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion:202 Resp: 172596
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.1
203 17.9 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

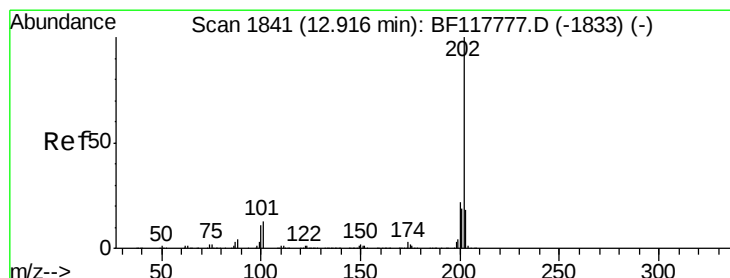
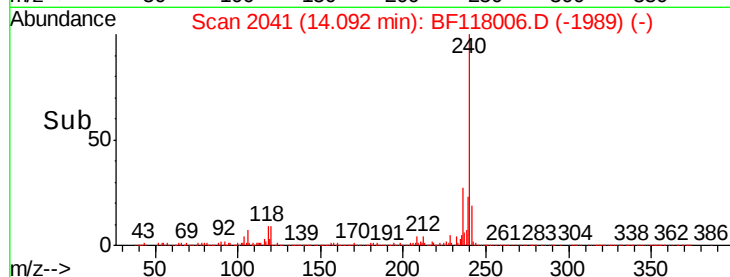
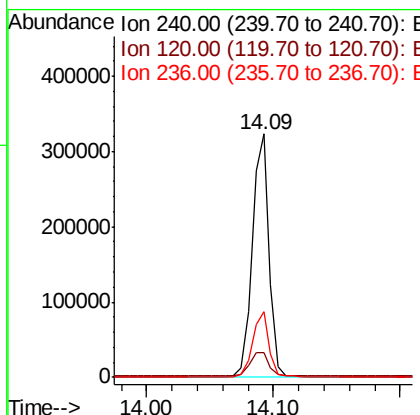
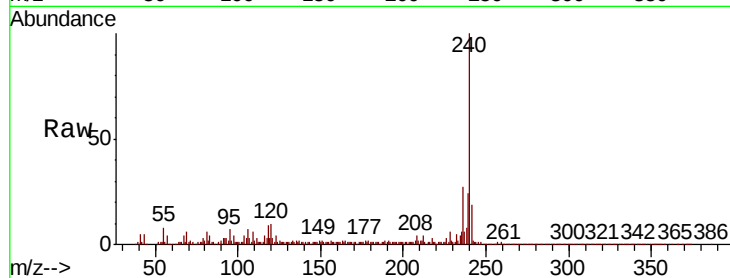




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

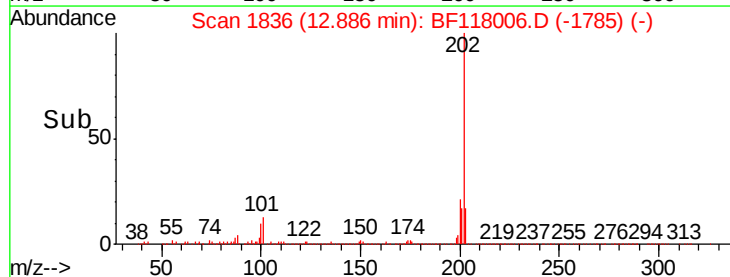
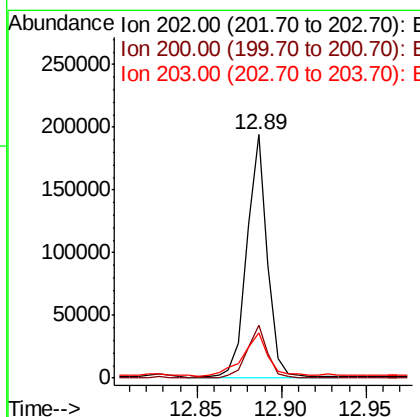
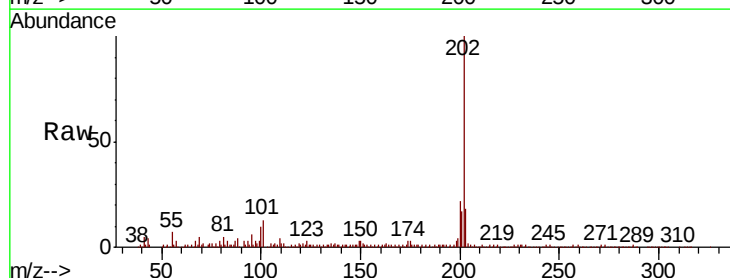
Instrument :
BNA_F
ClientSampleId :

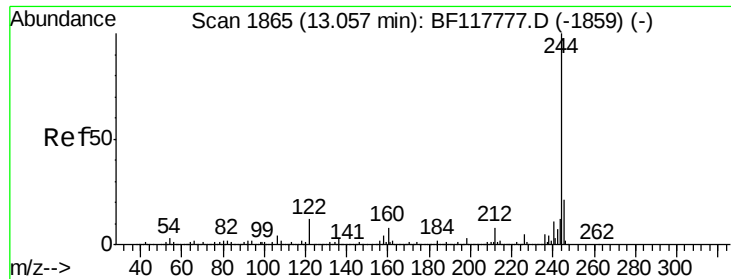
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	26.7	21.3	31.9



#78
Pyrene
Concen: 6.759 ng
RT: 12.89 min Scan# 1836
Delta R.T. 0.00 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.8
203	18.4	14.6	22.0





#79

Terphenyl-d14

Concen: 50.428 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

Instrument :

BNA_F

ClientSampleId :

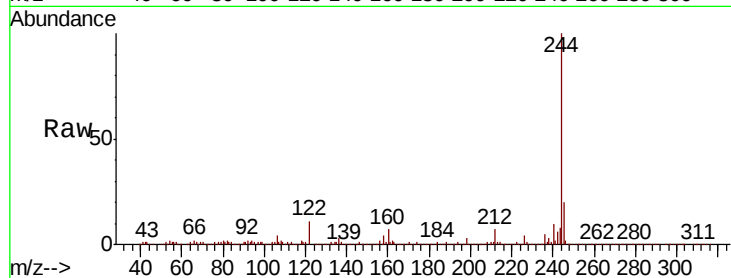
Tot Ion:244 Resp: 818246

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

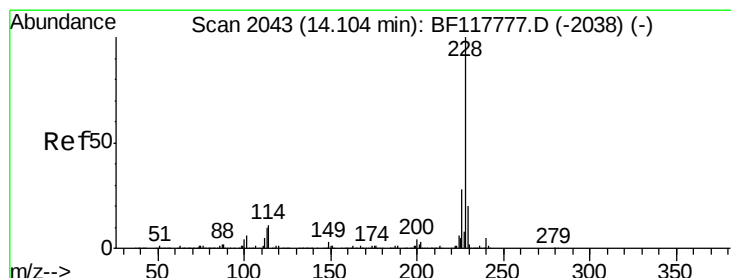
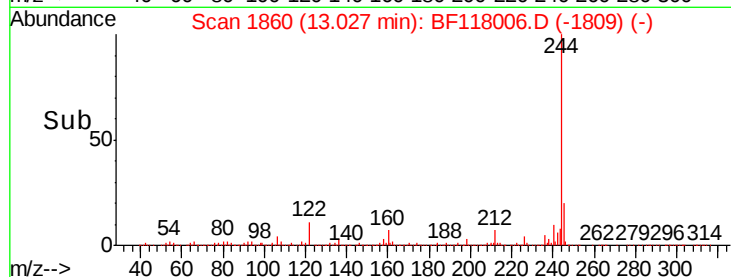
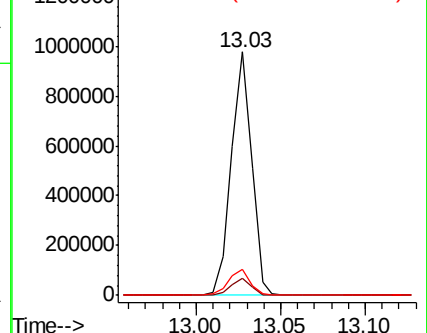
122 10.8 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.628 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118006.D

Acq: 26 Nov 2019 14:49

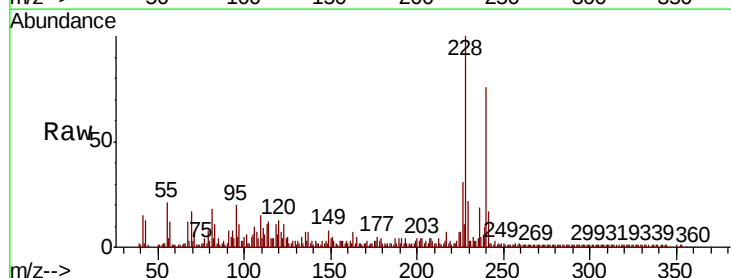
Tgt Ion:228 Resp: 110283

Ion Ratio Lower Upper

228 100

226 31.5 22.2 33.2

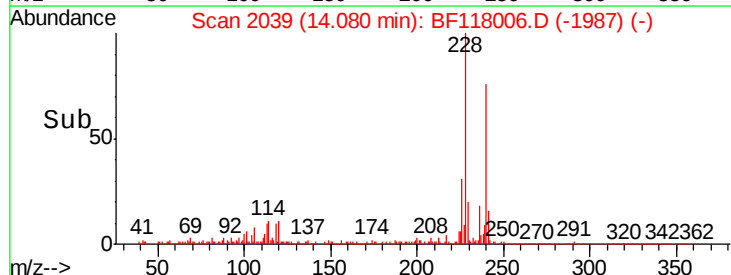
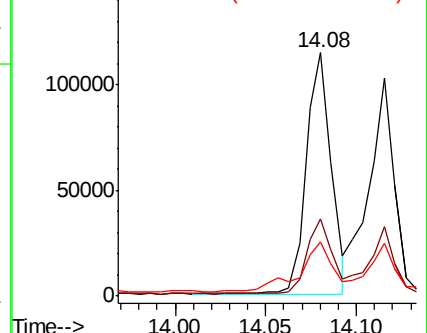
229 22.2 15.9 23.9

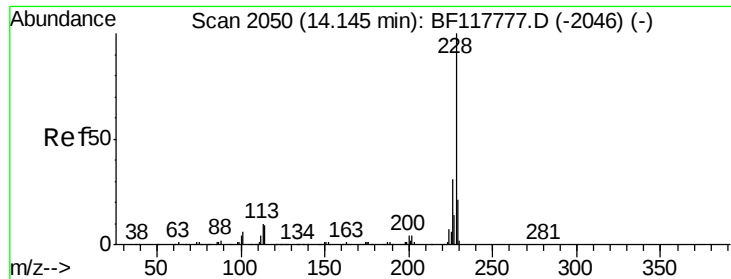


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

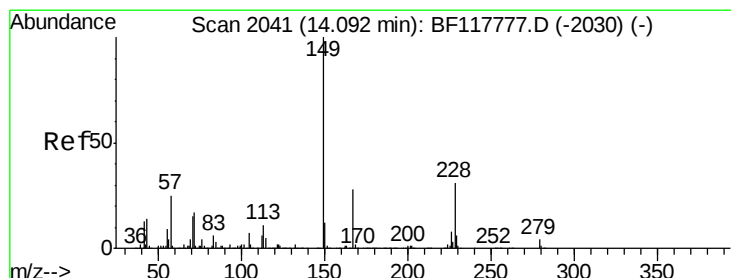
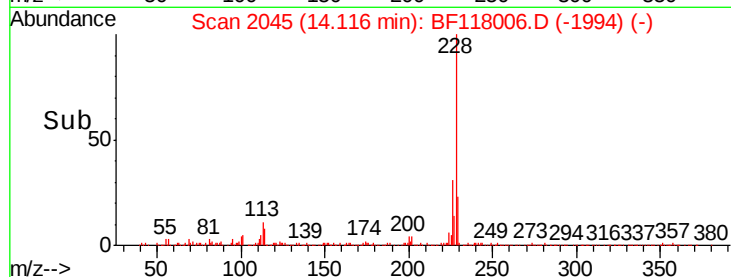
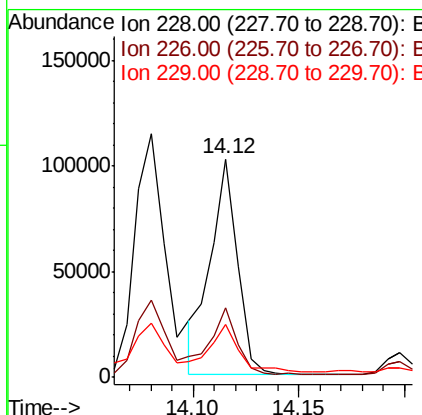
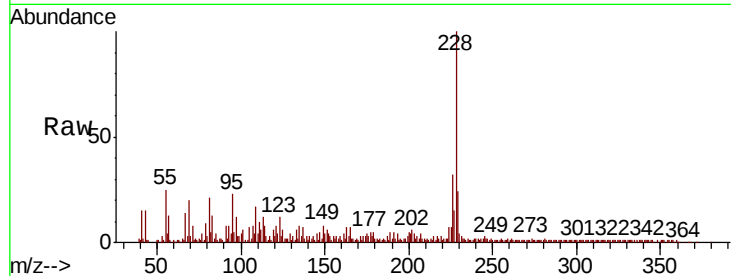




#83
Chrysene
Concen: 4.838 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

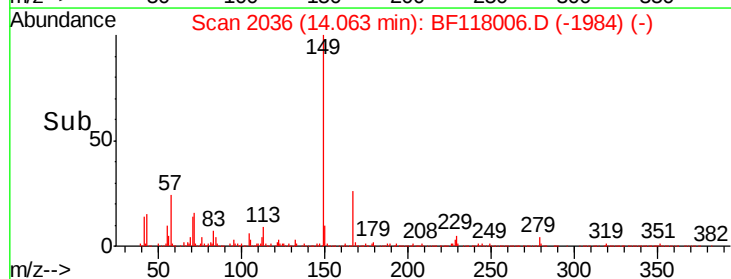
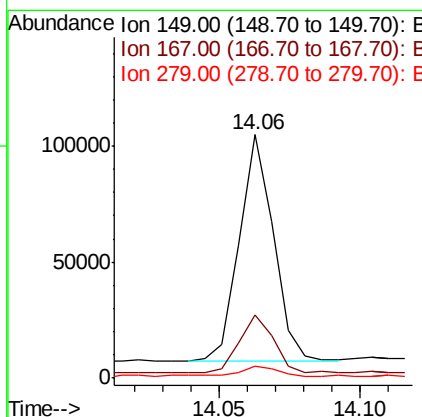
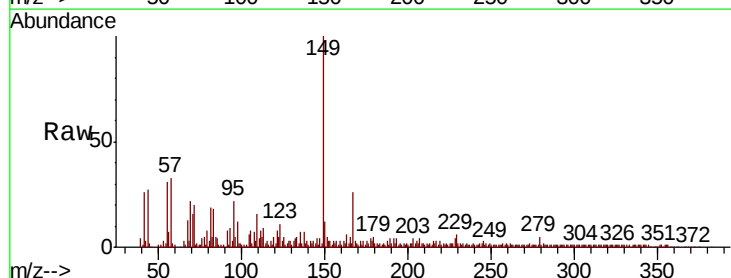
Instrument :
BNA_F
ClientSampleId :

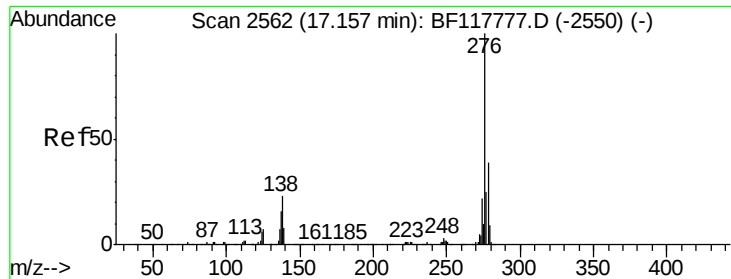
Tot Ion:228 Resp: 91875
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.4
229 24.5 16.6 25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.547 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion:149 Resp: 81704
Ion Ratio Lower Upper
149 100
167 25.7 22.2 33.2
279 4.9 3.4 5.2

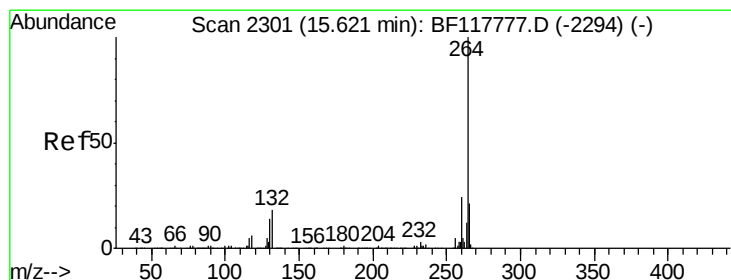
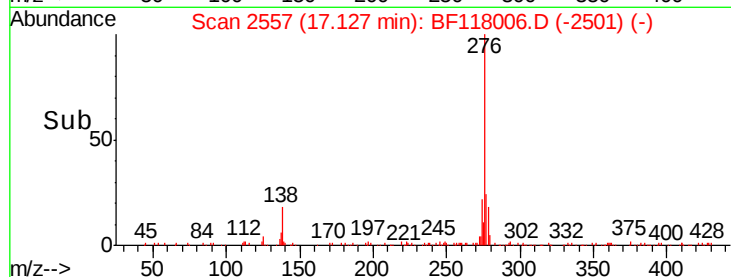
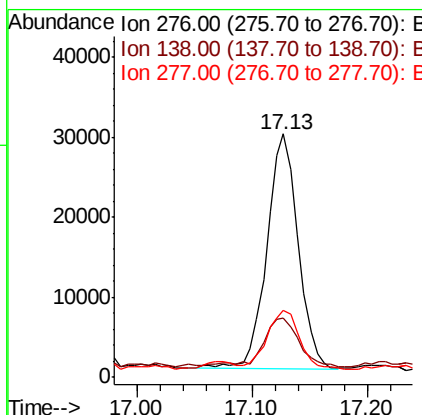
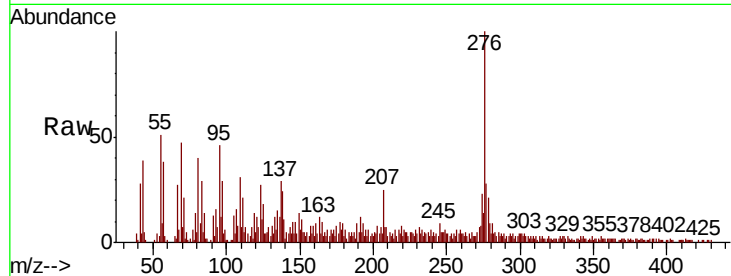




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.429 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. 0.03 min
 Lab File: BF118006.D
 Acq: 26 Nov 2019 14:49

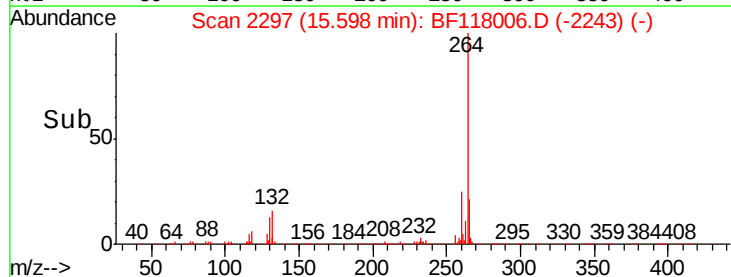
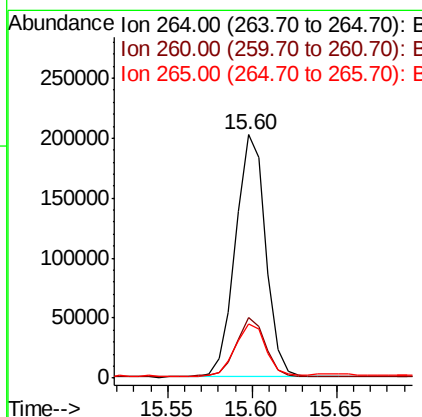
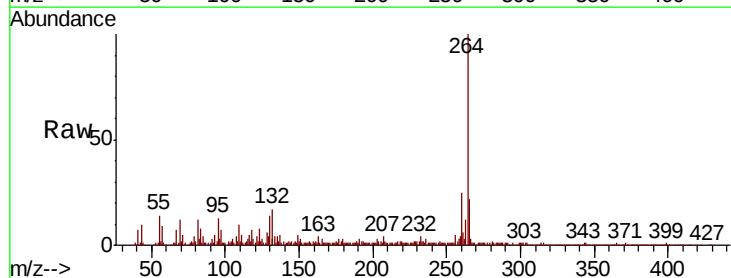
Instrument :
 BNA_F
 ClientSampleId :

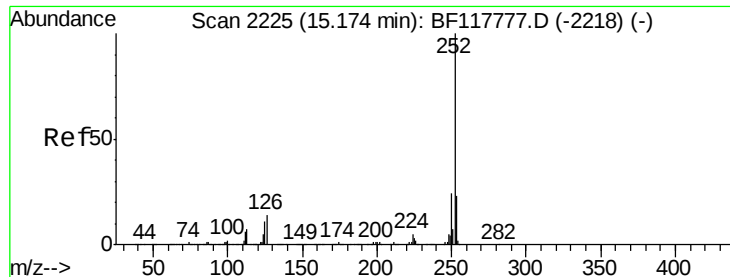
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	20.9	31.3
277	26.2	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2297
 Delta R.T. 0.02 min
 Lab File: BF118006.D
 Acq: 26 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.0
265	22.1	17.1	25.7

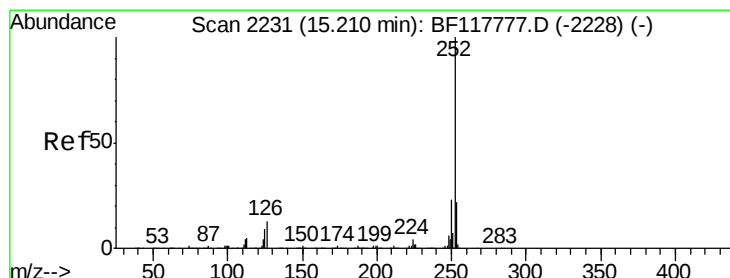
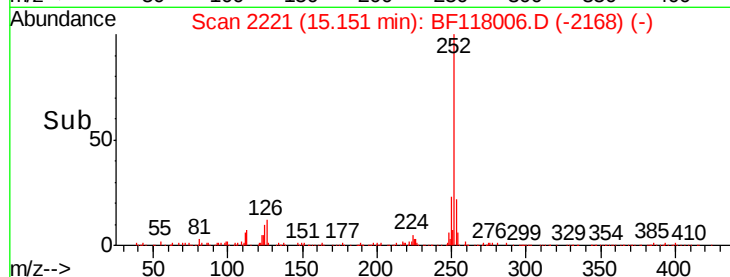
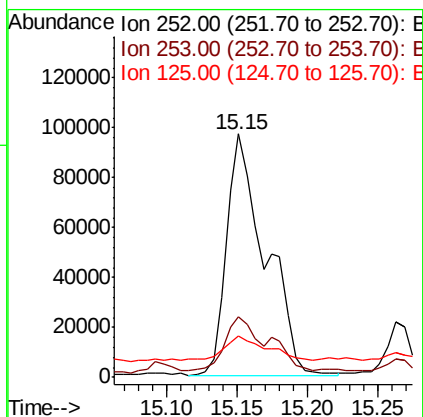
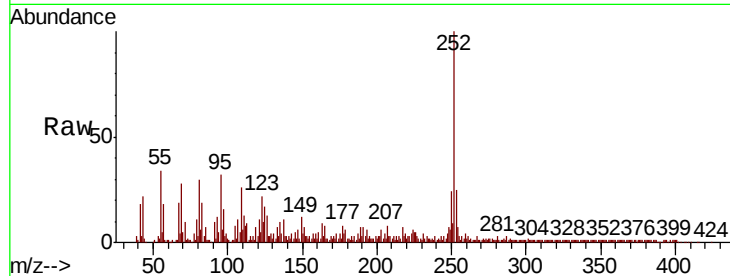




#88
Benzo(b)fluoranthene
Concen: 11.364 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

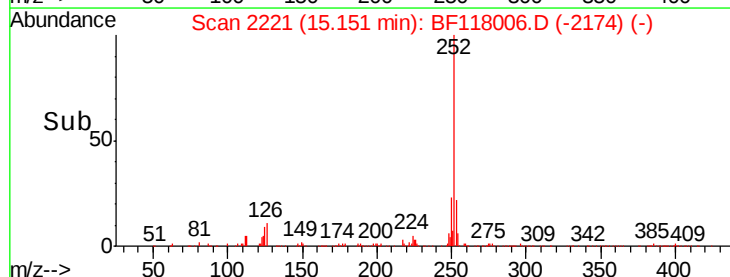
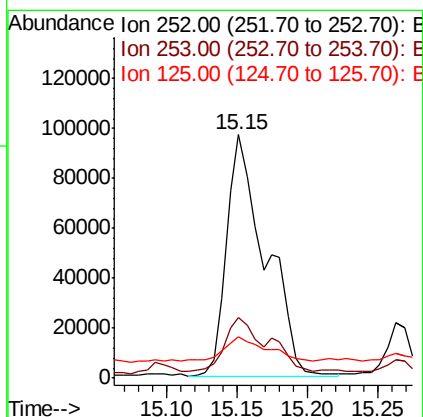
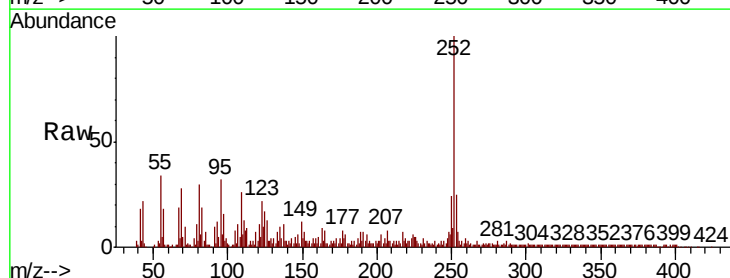
Instrument :
BNA_F
ClientSampleId :

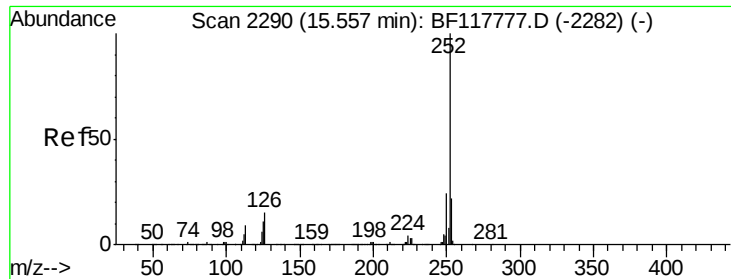
Tot Ion:252 Resp: 185760
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 17.1 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 12.060 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion:252 Resp: 185760
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 17.1 7.9 11.9#

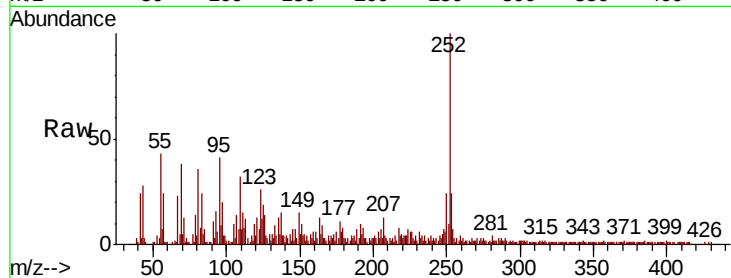




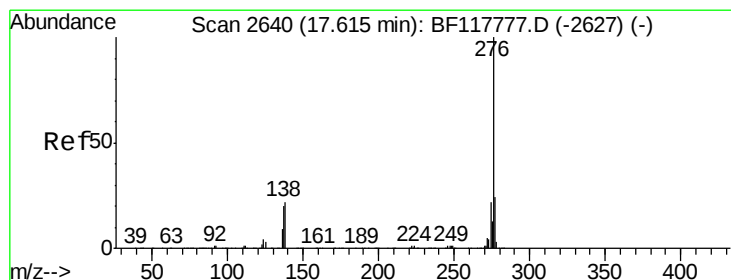
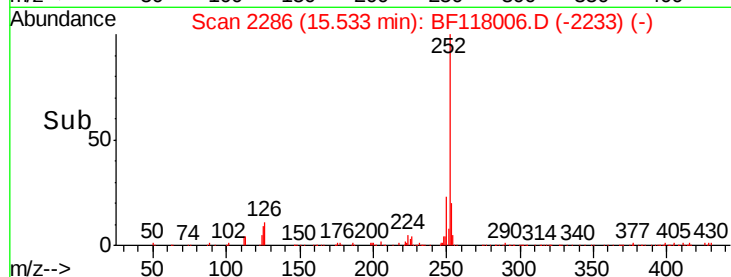
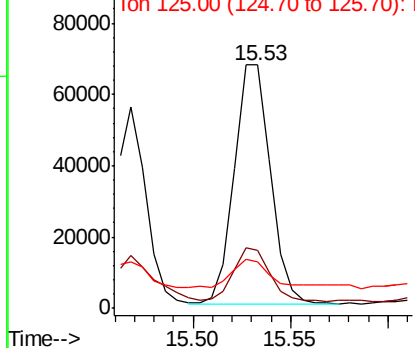
#90
Benzo(a)pyrene
Concen: 6.021 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 86550
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 19.3 9.2 13.8#

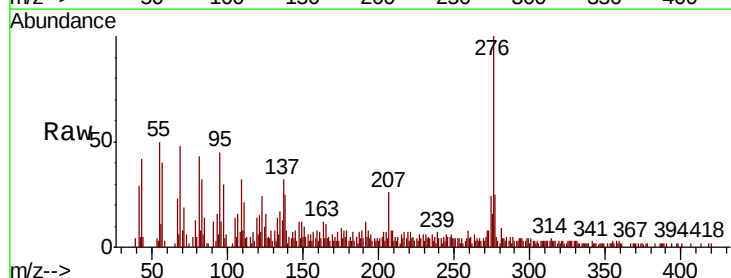


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.275 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.03 min
Lab File: BF118006.D
Acq: 26 Nov 2019 14:49

Tgt Ion:276 Resp: 40364
Ion Ratio Lower Upper
276 100
277 25.5 18.9 28.3
138 25.1 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

